# STIC/EIC- Secret 11/10/2005

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(c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200572
         (c) 2005 Thomson Derwent
Set
        Ttems
                Description
S1
                (MESSAGE OR DISCUSSION) () (BOARD? ? OR FORUM? ?) OR DISCUSS-
             ION()(LIST? ? OR SITE? ?) OR LISTSERV??? OR NEWSGROUP? ? OR N-
             EWS()GROUP? ? OR USENET? ? OR THREAD??(3N) (MESSAGE? ? OR DISC-
             USSION) OR (MESSAGE OR DISCUSSION) () AREA? ?
S2
                BBS OR BULLETIN()BOARD? ? OR CHAT????? OR IRC OR INSTANT()-
             (MESSAG??? OR MESSENGER? ?) OR MAILING()LIST? ? OR EMAIL OR M-
             AIL
               AUTHOR? ? OR CONTACT? ? OR PARTICIPANT? ? OR CREATOR? ? OR
S3
      1567249
             WRITER? ? OR ORIGINATOR? ? OR CONTRIBUTOR? ?
               DOCUMENT? ? OR MESSAGE? ? OR EMAIL OR MAIL OR RECORD? ? OR
S4
      1525686
             TEXT??? OR FILE? ?
S5
       249963
               DATABASE? ? OR DATA()(BASE OR BASES) OR REPOSITOR??? OR (D-
             ATA OR INFORMATION) () STORE? ? OR ARCHIVE? ?
              SEARCH??? OR QUERY??? OR QUERIE? ? OR REQUEST??? OR RETRIE-
S6
             V???
S7
       201499
               INDEX???
S8
        33945
                S6 (7N) S5
S9
        26706 S4 (7N) S5
           41 S8 AND S9 AND S1:S2 AND S3
S10
S11
         8148
               S3 (7N) S4
S12
           25
                S8 AND S9 AND S11 AND S1:S2
S13
           34
                S7 (20N) S5 (20N) S3
                S1:S2 AND S13
S14
           2
           27
                S12 OR S14
S15
S16
         1196
                (PROSPECTIVE OR POTENTIAL) (2W) (CUSTOMER? ? OR CLIENT? ? OR
            SHOPPER? ? OR BUYER? ?)
S17
         3967
                LEAD? ?(3N) (GENERAT? OR CREAT???)
S18
           93
                S1:S2 AND S16:S17
S19
           24
                S18 AND S5
S20
           51
                S15 OR S19
                S20 AND AC=US/PR AND AY=(1970:2000)/PR
S21
           9
S22
                S20 AND AC=US AND AY=1970:2000
           11
S23
           11
                S20 AND AC=US AND AY=(1970:2000)/PR
S24
           5
                S20 AND PY=1970:2000
S25
           13 · S21:S24
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File 347: JAPIO Nov 1976-2005/Jul (Updated 051102)

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(c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20051103,UT=20051027
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Set
        Ttems
                Description
                 (MESSAGE OR DISCUSSION) () (BOARD? ? OR FORUM? ?) OR DISCUSS-
S1
         2951
             ION()(LIST? ? OR SITE? ?) OR LISTSERV??? OR NEWSGROUP? ? OR N-
             EWS()GROUP? ? OR USENET? ? OR THREAD??(3N) (MESSAGE? ? OR DISC-
             USSION) OR (MESSAGE OR DISCUSSION) () AREA? ?
                BBS OR BULLETIN()BOARD? ? OR CHAT????? OR IRC OR INSTANT()-
S2
              (MESSAG??? OR MESSENGER? ?) OR MAILING()LIST? ? OR EMAIL OR M-
             AIL
                AUTHOR? ? OR CONTACT? ? OR PARTICIPANT? ? OR CREATOR? ? OR
S3
       766012
             WRITER? ? OR ORIGINATOR? ? OR CONTRIBUTOR? ?
                DOCUMENT? ? OR MESSAGE? ? OR EMAIL OR MAIL OR RECORD? ? OR
S4
      1263963
             TEXT??? OR FILE? ?
S5
       218410
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             ATA OR INFORMATION) () STORE? ? OR ARCHIVE? ?
               SEARCH??? OR QUERY??? OR QUERIE? ? OR REQUEST??? OR RETRIE-
S6
             V???
S7
       205589
                INDEX???
                S6 (7N) S5
S8
        93803
S9
        77010
                S4 (7N) S5
S10
         3996
                S3 (7N) S5
S11
          196
                S8 (50N) S9 (50N) S10 (50N) S1:S2
S12
          158
                S11 AND IC=G06F
S13
           94
                S12 AND AC=US/PR AND AY=(1970:2000)/PR
                S12 AND PY=1970:2000
           52
S14
           94
                S12 AND AC=US AND AY=1970:2000
S15
S16
           94
                S12 AND AC=US AND AY=(1970:2000)/PR
S17
           95
                S13:S16
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S18
         4928
             SHOPPER? ? OR BUYER? ?)
S19
         8242
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S20
          406
                S7 (20N) S5 (20N) S3
                S1:S2(50N)S20
$21
           48
           39
                S17 AND (S18:S19 OR S21)
S22
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IDPAT (sorted in duplicate/non-duplicate order)

File 348:EUROPEAN PATENTS 1978-2005/Oct W04

S23

39

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File 275:Gale Group Computer DB(TM) 1983-2005/Nov 09
          (c) 2005 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2005/Nov 10
         (c) 2005 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2005/Nov 10
         (c) 2005 The Gale Group
File
     16:Gale Group PROMT(R) 1990-2005/Nov 10
         (c) 2005 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
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         (c) 2005 McGraw-Hill Co. Inc
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         (c) 1999 PR Newswire Association Inc
File 610:Business Wire 1999-2005/Nov 10
         (c) 2005 Business Wire.
File 613:PR Newswire 1999-2005/Nov 10
         (c) 2005 PR Newswire Association Inc
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             EWS()GROUP? ? OR USENET? ? OR THREAD??(3N) (MESSAGE? ? OR DISC-
             USSION) OR (MESSAGE OR DISCUSSION) () AREA? ?
                BBS OR BULLETIN()BOARD? ? OR CHAT????? OR IRC OR INSTANT()-
S2
      4242694
             (MESSAG??? OR MESSENGER? ?) OR MAILING()LIST? ? OR EMAIL OR M-
             AIL
                AUTHOR? ? OR CONTACT? ? OR PARTICIPANT? ? OR CREATOR? ? OR
S3
     14501905
             WRITER? ? OR ORIGINATOR? ? OR CONTRIBUTOR? ?
S4
     12014414
                DOCUMENT? ? OR MESSAGE? ? OR EMAIL OR MAIL OR RECORD? ? OR
             TEXT??? OR FILE? ?
S5
               DATABASE? ? OR DATA()(BASE OR BASES) OR REPOSITOR??? OR (D-
      2731774
             ATA OR INFORMATION) () STORE? ? OR ARCHIVE? ?
S6
      4074412
                SEARCH??? OR QUERY??? OR QUERIE? ? OR REQUEST??? OR RETRIE-
             V???
                INDEX???
S7
      1213556
S8
       196292
                S6 (7N) S5
S9
       498348
                S4 (7N) S5
S10
       566241
                S3 (7N) S4
S11
                S1:S2(50N)S8(50N)S9(50N)S10
         1170
                (PROSPECTIVE OR POTENTIAL) (2W) (CUSTOMER? ? OR CLIENT? ? OR
S12
       352837
             SHOPPER? ? OR BUYER? ?)
        77965
                LEAD? ?(3N) (GENERAT? OR CREAT???)
S13
S14
        78934
                S7 (20N) S3
S15
           26
                S1:S2(50N)S8(50N)S9(50N)S10(50N)S12:S13
S16
                RD (unique items)
           16
       890629
                BBS OR BULLETIN()BOARD? ? OR CHAT????? OR IRC OR INSTANT()-
S17
             (MESSAG??? OR MESSENGER? ?) OR MAILING()LIST? ?
S18
          155
                (S1 OR S17) (50N) S8 (50N) S9 (50N) S10
S19
           96
                RD (unique items)
                S19 NOT (S16 OR PY=2001:2005)
S20
           68
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\$21	23	S8 (50N) S12:S13 (50N) S1
S22	12	RD (unique items)
S23	728	S1(7N)(MINE? ? OR MINING? ? OR SCAN????)
S24	0	S23 (20N) S12:S13
S25	0	S23 (50N) S12:S13

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IEE CNF	IEE Conference Proceeding		Knowledge and Data Engineering, IEEE Transactions on Volume 8, Issue 4, Aug. 1996 Page(s):548 - 554
IEEE STD	IEEE Standard		Digital Object Identifier 10.1109/69.536248
			AbstractPlus   References   Full Text: PDF(1084 KB)   IEEE JNL
;			Discourse diagrams: interface design for very large-scale conversations     Sack, W.;     System Sciences, 2000. Proceedings of the 33rd Annual Hawaii International (     Jan 4-7 2000 Page(s):10 pp.     AbstractPlus   Full Text: PDF(324 KB)   IEEE CNF
-			3. Improving Web application speed Hurlbut, B.T.; Potentials, IEEE Volume 21, Issue 2, Apr-May 2002 Page(s):20 - 24 Digital Object Identifier 10.1109/45.997972  AbstractPlus   Full Text: PDF(457 KB) IEEE JNL
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IEEE CNF	IEEE Conference Proceeding	<b>.</b>	Jihong Zeng; Bloniarz, P.A.; Information Technology: Coding and Computing, 2004. Proceedings. ITCC 200				
IEE CNF	IEE Conference Proceeding		Conference on Volume 1, 2004 Page(s):283 - 286 Vol.1				
IEEE STD	IEEE Standard		Digital Object Identifier 10.1109/ITCC.2004.1286467				
122013			AbstractPlus   Full Text: PDF(1302 KB)   IEEE CNF				
			<ol> <li>A rough set-based hybrid method to text categorization         Yonguang Bao; Aoyama, S.; Xiaoyong Du; Yamada, K.; Ishii, N.;         Web Information Systems Engineering, 2001. Proceedings of the Second Inter         Conference on         Volume 1, 3-6 Dec. 2001 Page(s):254 - 261 vol.1</li> </ol>				
			AbstractPlus   Full Text: PDF(825 KB) IEEE CNF				
			3. On the use of density distribution of keywords for automated generation links from arbitrary parts of documents Kise, K.; Mizuno, H.; Yamaguchi, M.; Matsumoto, K.; Document Analysis and Recognition, 1999. ICDAR '99. Proceedings of the Fift Conference on 20-22 Sept. 1999 Page(s):301 - 304 Digital Object Identifier 10.1109/ICDAR.1999.791784				
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			4. An automatic indexing and neural network approach to concept retrieval classification of multilingual (Chinese-English) documents Chung-Hsin Lin; Hsinchun Chen; Systems, Man and Cybernetics, Part B, IEEE Transactions on Volume 26, Issue 1, Feb. 1996 Page(s):75 - 88 Digital Object Identifier 10.1109/3477.484439				
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<ol> <li>Filtering in Chinese document images based on templates and confidence Chen Jiewei; Xu Weiran; Guo Jun; Signal Processing, 2004. Proceedings. ICSP '04. 2004 7th International Confe Volume 2, 31 Aug4 Sept. 2004 Page(s):1376 - 1379 vol.2 Digital Object Identifier 10.1109/ICOSP.2004.1441582  <u>AbstractPlus</u>   Full Text: <u>PDF</u>(223 KB) IEEE CNF</li> </ol>
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Advanced Information Networking and Applications, 2003. AINA 2003. 17th Int Conference on 27-29 March 2003 Page(s):446 - 453 Digital Object Identifier 10.1109/AINA.2003.1192919 AbstractPlus | Full Text: PDF(452 KB) | IEEE CNF 14. Towards large-scale information integration Anderson, K.M.; Sherba, S.A.; Lepthien, W.V.; Software Engineering, 2002. ICSE 2002. Proceedings of the 24rd Internationa 2002 Page(s):524 - 534 AbstractPlus | Full Text: PDF(1333 KB) IEEE CNF 15. Multilingual text categorisation for global knowledge discovery using fuz Chau, R.; Chung-Hsing Yeh; Artificial Intelligence Systems, 2002. (ICAIS 2002). 2002 IEEE International Cc 5-10 Sept. 2002 Page(s):82 - 86 Digital Object Identifier 10.1109/ICAIS.2002.1048058 AbstractPlus | Full Text: PDF(313 KB) | IEEE CNF 16. Simultaneous categorization of text documents and identification of clus keywords Frigui, H.; Nasraoui, O.; Fuzzy Systems, 2002. FUZZ-IEEE'02. Proceedings of the 2002 IEEE International Proceedings of IEEE International Proceedings of IEEE International Proceedings of IEEE International Proceedings of IEEE International International International International International International Volume 2, 12-17 May 2002 Page(s):1108 - 1113 Digital Object Identifier 10.1109/FUZZ.2002.1006659 AbstractPlus | Full Text: PDF(654 KB) | IEEE CNF 17. Emerging Topic Tracking System П Khoo Khyou Bun; Ishizuka, M.; Advanced Issues of E-Commerce and Web-Based Information Systems, WEC International Workshop on. 21-22 June 2001 Page(s):2 - 11 Digital Object Identifier 10.1109/WECWIS.2001.933900 AbstractPlus | Full Text: PDF(968 KB) IEEE CNF 18. Constructing a personal web map with anytime-control of Web robots П Yamada, S.; Nagino, N.; Cooperative Information Systems, 1999. CoopIS '99. Proceedings. 1999 IFCIS Conference on 2-4 Sept. 1999 Page(s):140 - 147 Digital Object Identifier 10.1109/COOPIS.1999.792165 AbstractPlus | Full Text: PDF(112 KB) IEEE CNF 19. ASHRAM: active summarization and Markup П Neff, M.S.; Cooper, J.W.; System Sciences, 1999. HICSS-32. Proceedings of the 32nd Annual Hawaii In Conference on Volume Track2, 5-8 Jan. 1999 Page(s):9 pp. Digital Object Identifier 10.1109/HICSS.1999.772697 AbstractPlus | Full Text: PDF(756 KB) IEEE CNF 20. Reading SAR data: a new general reader and a proposed new standard Pierce, L.; Geoscience and Remote Sensing, 1997. IGARSS '97. 'Remote Sensing - A Sc Sustainable Development'., 1997 IEEE International Volume 3, 3-8 Aug. 1997 Page(s):1246 - 1248 vol.3 Digital Object Identifier 10.1109/IGARSS.1997.606411

AbstractPlus | Full Text: PDF(300 KB) | IEEE CNF

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Digital Object Identifier 10.1109/CCECE.1994.405850

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View All 2				AbstractPlus   Full Text:	PDF(144 KB) IEE	EE CNF	
» Key IEEE JNL IEE JNL	IEEE Journal or Magazine IEE Journal or Magazine		2.	European law databas O'Shea, P.J.; Wilson, E. Database and Expert Sy on 1-2 Sept. 1997 Page(s): Digital Object Identifier	.; ystems Applications :227 - 232	s, 1997. Proceedings., I	Eighth Intern:
IEEE CNF	IEEE Conference Proceeding			AbstractPlus   Full Text:	PDF(500 KB) IEI	EE CNF	
IEE CNF	IEE Conference Proceeding IEEE Standard		3.	Spoken information re Salgado-Garza, L.R.; No Computer Systems and 2005 Page(s):146 Digital Object Identifier AbstractPlus   Full Text:	olazco-Flores, J.A.; Applications, 2005. 10.1109/AICCSA.20	Diaz-Lopez, P.D.; The 3rd ACS/IEEE Int 005.1387135	ernational C
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			4.	An enterprise intellige Lee, E.K.; Noah, W.; Research Issues on Da RIDE-VE '99. Proceedir 23-24 March 1999 Page Digital Object Identifier AbstractPlus   Full Text:	ta Engineering: Info ngs., Ninth Internatio e(s):28 - 35 10.1109/RIDE.1999	rmation Technology fo onal Workshop on 0.758594	
			5.	Scheduling strategies Nerjes, G.; Muth, P.; Pa Research Issues In Dat Proceedings. Eighth Int 23-24 Feb. 1998 Page(s) Digital Object Identifier AbstractPlus I Full Text	aterakis, M.; Rombo a Engineering, 1996 ernational Worksho s):121 - 128 10.1109/RIDE.1998	yannakis, Y.; Triantafill 8. Continuous-Media D p on 8.658286	ou, P.; Weikι

	6. Database extensions for complex domains DeFazio, S.; Srinivasan, J.; Data Engineering, 1996. Proceedings of the Twelfth International Conferen 26 Feb1 March 1996 Page(s):200 - 202 Digital Object Identifier 10.1109/ICDE.1996.492107	ce (
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	Austractifies   Neteriories   1 dil Toke   1 bi (100 No)   1222 dil2	
	8. National Oceanic and Atmospheric Administration (NOAA) Office of Oceans (OE) video server: the library portal Beattie, J.A.; Beard, R.H.; Crane, M.L.; Oceans '02 MTS/IEEE Volume 4, 29-31 Oct. 2002 Page(s):1946 - 1948 vol.4 Digital Object Identifier 10.1109/OCEANS.2002.1191930  AbstractPlus   Full Text: PDF(289 KB)   IEEE CNF	cea
	<ol> <li>A multimedia information server with mixed workload scheduling Nerjes, G.;</li> <li>Data Engineering, 2000. Proceedings. 16th International Conference on 29 Feb3 March 2000 Page(s):670 - 671</li> <li>Digital Object Identifier 10.1109/ICDE.2000.839488</li> <li>AbstractPlus   Full Text: PDF(44 KB) IEEE CNF</li> </ol>	
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	AbstractPlus   Full Text: PDF(76 KB) IEEE CNF	
	11. Yandex.Ru-search and research engine Kolmanovskala, E.; Internet Technologies and Services, 1999. Proceedings. First IEEE/Popov 1999 Page(s):157 - 158 Digital Object Identifier 10.1109/INTS.1999.874019	Wo
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AbstractPlus | Full Text: PDF(828 KB) IEEE CNF

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7-11 April 1997 Page(s):386 - 390

Digital Object Identifier 10.1109/ICDE.1997.581940

AbstractPlus | Full Text: PDF(472 KB) IEEE CNF

19. Massively parallel information retrieval for wide area information servers 

Stanfill, C.;

Systems, Man, and Cybernetics, 1991. 'Decision Aiding for Complex Systems,

Proceedings., 1991 IEEE International Conference on

13-16 Oct. 1991 Page(s):679 - 682 vol.1

Digital Object Identifier 10.1109/ICSMC.1991.169764

AbstractPlus | Full Text: PDF(388 KB) IEEE CNF

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- #2 ((index<in>metadata) <and> (internet<in>metadata))<and>
  (newsgroups<in>metadata)
- #3 ((index<in>metadata) <and> (internet<in>metadata))<and> (discussions<in>metadata)
- #4 ((generate<in>metadata) <and> (keywords<in>metadata)) <and> (documents<in>metadata)
- #6 ((generate<in>metadata) <and>(keywords<in>metadata)) <and>(documents<in>metadata)
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Best 200 shown

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Relevance scale ...

Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available: pdf(4.21 MB)

Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

2 IS '97: model curriculum and guidelines for undergraduate degree programs in

information systems

Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E. Longenecker

December 1996 ACM SIGMIS Database, Guidelines for undergraduate degree programs on Model curriculum and guidelines for undergraduate degree programs in information systems IS '97, Volume 28 Issue 1

Publisher: ACM Press

Full text available: pdf(7.24 MB)

Additional Information: full citation, citings

Computing curricula 2001

September 2001 Journal on Educational Resources in Computing (JERIC)

Publisher: ACM Press

Full text available: pdf(613.63 KB)

M html(2.78 KB)

Additional Information: full citation, references, citings, index terms

Computer-mediated communication in collaborative educational settings: report of

the ITiCSE '97 working group on CMC in collaborative educational settings Ursula Wolz, Jacob Palme, Penny Anderson, Zhi Chen, James Dunne, Göran Karlsson, Atika



Laribi, Sirkku Männikkö, Robert Spielvogel, Henry Walker October 1997 **ACM SIGCUE Outlook**, Volume 25 Issue 4

Publisher: ACM Press

Full text available: pdf(2.14 MB)

Additional Information: full citation, abstract, references, index terms

In educational environments that stress collaboration, the use of computer-mediated communication (CMC) tools can be a source of support as well as a challenge. This paper begins by considering general educational and economic goals and how CMC can be helpful in attaining these goals. A taxonomy of tools for communication and collaboration in education is described. Many sides of the issue are considered, including the roles of teachers and students, problems that can arise and potential solutio ...

#### 5 The SIFT information dissemination system

Tak W. Yan, Hector Garcia-Molina

December 1999 ACM Transactions on Database Systems (TODS), Volume 24 Issue 4

Publisher: ACM Press

Full text available: pdf(220.77 KB)

Additional Information: full citation, abstract, references, citings, index terms

Information dissemination is a powerful mechanism for finding information in wide-area environments. An information dissemination server accepts long-term user queries, collects new documents from information sources, matches the documents against the queries, and continuously updates the users with relevant information. This paper is a retrospective of the Stanford Information Filtering Service (SIFT), a system that as of April 1996 was processing over 40,000 worldwide subscriptions and ov ...

Keywords: Boolean queries, dissemination, filtering, indexing, vector space queries

6 Enhancing teaching using the Internet: report of the working group on the World Wide



Web as an interactive teaching resource

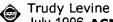
Stephen Hartley, Jill Gerhardt-Powals, David Jones, Colin McCormack, M. Dee Medley, Blaine Price, Margaret Reek, Marguerite K. Summers

June 1996 ACM SIGCSE Bulletin, ACM SIGCUE Outlook, Proceedings of the 1st conference on Integrating technology into computer science education ITiCSE '96, Volume 28, 24 Issue SI, 1-3

Publisher: ACM Press

Full text available: pdf(1.26 MB) Additional Information: full citation, references, citings, index terms

7 Reusable software components



July 1996 ACM SIGAda Ada Letters, Volume XVI Issue 4

Publisher: ACM Press

Full text available: pdf(2.45 MB) Additional Information: full citation, index terms

8 Applying an information gathering architecture to Netfind: a white pages tool for a changing and growing Internet

Michael F. Schwartz, Calton Pu

October 1994 IEEE/ACM Transactions on Networking (TON), Volume 2 Issue 5

Publisher: IEEE Press

Full text available: pdf(1.71 MB)

Additional Information: full citation, references, citings, index terms, review

9 Query processing in a multimedia document system

Elisa Bertino, Fausto Rabbiti, Simon Gibbs

January 1988 ACM Transactions on Information Systems (TOIS), Volume 6 Issue 1

**Publisher: ACM Press** 

Full text available: pdf(2.94 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

Query processing in a multimedia document system is described. Multimedia documents are information objects containing formatted data, text, image, graphics, and voice. The query language is based on a conceptual document model that allows the users to formulate queries on both document content and structure. The architecture of the system is outlined, with focus on the storage organization in which both optical and magnetic devices can coexist. Query processing and the different strategies ...

10 Harnessing technology for effective inter- and intra-institutional collaboration (report

of the ITiCSE '97 working group on supporting inter- and intra institutional collaboration)

Douglas Siviter, Marian Petre, Bruce Klein

June 1997 The supplemental proceedings of the conference on Integrating technology into computer science education: working group reports and supplemental proceedings

Publisher: ACM Press

Full text available: Top pdf(145.01 KB) Additional Information: full citation, references, citings, index terms

11 Pen computing: a technology overview and a vision

André Meyer

July 1995 ACM SIGCHI Bulletin, Volume 27 Issue 3

Publisher: ACM Press

Full text available: pdf(5.14 MB) Additional Information: full citation, abstract, citings, index terms

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions. Starting with a short historic ...

12 Harnessing technology for effective inter- and intra-institutional collaboration: report

of the ITiCSE '97 working group on supporting inter- and intra-institutional collaboration

Douglas Siviter, Marian Petre, Bruce Klein

October 1997 ACM SIGCUE Outlook, Volume 25 Issue 4

Publisher: ACM Press

Full text available: R pdf(2.66 MB) Additional Information: full citation, abstract, references, index terms

The computer science discipline is well poised to provide leading examples of harnessing communications and computer technologies in order to encourage collaborative practices both within and between institutions. Students, academics, and institutions all potentially have access to their counterparts world-wide. This provides endless opportunities for sharing knowledge, accessing scarce expertise, making effective re-use of limited resources, collaborating to attract funding and influence polici ...

#### 13 An XML query engine for network-bound data

Zachary G. Ives, A. Y. Halevy, D. S. Weld

December 2002 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 11 Issue 4

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(351.86 KB) Additional Information: full citation, abstract, citings, index terms

XML has become the lingua franca for data exchange and integration across administrative and enterprise boundaries. Nearly all data providers are adding XML import or export capabilities, and standard XML Schemas and DTDs are being promoted for all types of data sharing. The ubiquity of XML has removed one of the major obstacles to integrating data from widely disparate sources - namely, the heterogeneity of data formats. However, general-purpose integration of data across the wide are a also re ...

Keywords: Data integration, Data streams, Query processing, Web and databases, XML

14 Special issue: Al in engineering

D. Sriram, R. Joobbani

April 1985 ACM SIGART Bulletin, Issue 92

Publisher: ACM Press

Full text available: pdf(8.79 MB) Additional Information: full citation, abstract

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

#### 15 Identification control: Public key distribution through "cryptolDs"

Trevor Perrin

August 2003 Proceedings of the 2003 workshop on New security paradigms

Publisher: ACM Press

Full text available: pdf(1.51 MB) Additional Information: full citation, abstract, references, index terms

In this paper, we argue that person-to-person key distribution is best accomplished with a key-centric approach, instead of PKI: users should distribute public key fingerprints in the same way they distribute phone numbers, postal addresses, and the like. To make this work, fingerprints need to be small, so users can handle them easily; multipurpose, so only a single fingerprint is needed for each user; and long-lived, so fingerprints don't have to be frequently redistribute ...

Keywords: cryptoIDs, fingerprints, key distribution, key management, public key infrastructure

Model-driven development of Web applications: the AutoWeb system

Piero Fraternali, Paolo Paolini

October 2000 ACM Transactions on Information Systems (TOIS), Volume 18 Issue 4

Publisher: ACM Press

Full text available: pdf(6.94 MB)

Additional Information: full citation, abstract, references, citings, index terms

This paper describes a methodology for the development of WWW applications and a tool environment specifically tailored for the methodology. The methodology and the development environment are based upon models and techniques already used in the hypermedia, information systems, and software engineering fields, adapted and blended in an original mix. The foundation of the proposal is the conceptual design of WWW



applications, using HDM-lite, a notation for the specification of structure, nav ...

Keywords: HTML, WWW, application, development, intranet, modeling

#### 17 The profile naming service

Larry L. Peterson

November 1988 ACM Transactions on Computer Systems (TOCS), Volume 6 Issue 4

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(1.96 MB) terms, review

Profile is a descriptive naming service used to identify users and organizations. This paper presents a structural overview of Profile's three major components: a confederation of attribute-based name servers, a name space abstraction that unifies the name servers, and a user interface that integrates the name space with existing naming systems. Each name server is an independent authority that allows clients to describe users and organizations with a multi ...

#### 18 Office Information Systems and Computer Science

Clarence A. Ellis, Gary J. Nutt

January 1980 ACM Computing Surveys (CSUR), Volume 12 Issue 1

Publisher: ACM Press

Full text available: pdf(2.87 MB) Additional Information: full citation, references, citings, index terms

## 19 Improving problem-oriented mailing list archives with MCS

Robert S. Brewer

June 2000 Proceedings of the 22nd international conference on Software engineering

Publisher: ACM Press

Full text available: pdf(120.93 KB) Additional Information: full citation, abstract, references, index terms

Developers often use electronic mailing lists when seeking assistance with a particular software application. The archives of these mailing lists provide a rich repository of problem-solving knowledge. Developers seeking a quick answer to a problem find these archives inconvenient, because they lack efficient searching mechanisms, and retain the structure of the original conversational threads which are rarely relevant to the knowledge seeker. We present a system called MCS which ...

Keywords: archives, collective memory, knowledge condensation, mailing lists

# <sup>20</sup> Semantic file systems

David K. Gifford, Pierre Jouvelot, Mark A. Sheldon, James W. O'Toole

September 1991 ACM SIGOPS Operating Systems Review, Proceedings of the thirteenth ACM symposium on Operating systems principles SOSP

'91, Volume 25 Issue 5

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(1.06 MB)

A semantic file system is an information storage system that provides flexible associative access to the system's contents by automatically extracting attributes from files with file type specific transducers. Associative access is provided by a conservative extension to existing tree-structured file system protocols, and by protocols that are designed

Results (page 1): product services query nternet discussion groups mailing list text index ... Page 6 of 6

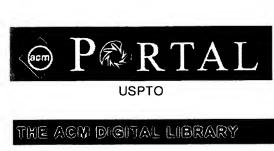
specifically for content based access. Compatiblity with existing file system protocols is provided by introducing the concept of a ...

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Relevance scale

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GIOSS: text-source discovery over the Internet

Luis Gravano, Héctor García-Molina, Anthony Tomasic

June 1999 ACM Transactions on Database Systems (TODS), Volume 24 Issue 2

Publisher: ACM Press

Full text available: pdf(230.37 KB)

Additional Information: full citation, abstract, references, citings, index terms, review

The dramatic growth of the Internet has created a new problem for users: location of the relevant sources of documents. This article presents a framework for (and experimentally analyzes a solution to) this problem, which we call the text-source discovery problem. Our approach consists of two phases. First, each text source exports its contents to a centralized service. Second, users present queries to the service, which returns an ordered list of promising text sources. T ...

Keywords: Internet search and retrieval, digital libraries, distributed information retrieval, text databases

2 Index structures for selective dissemination of information under the Boolean model



Tak W. Yan, Héctor García-Molina

June 1994 ACM Transactions on Database Systems (TODS), Volume 19 Issue 2

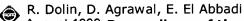
Publisher: ACM Press

Full text available: R pdf(2.03 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

The number, size, and user population of bibliographic and full-text document databases are rapidly growing. With a high document arrival rate, it becomes essential for users of such databases to have access to the very latest documents; yet the high document arrival rate also makes it difficult for users to keep themselves updated. It is desirable to allow users to submit profiles, i.e., queries that are constantly evaluated, so that they will be automatically informed of new additions tha ...

3 Scalable collection summarization and selection



August 1999 Proceedings of the fourth ACM conference on Digital libraries

**Publisher: ACM Press** 

Full text available: pdf(263.57 KB) Additional Information: full citation, references, citings, index terms

Keywords: automated classification, metadata, resource discovery, scalability

4 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research

**Publisher: IBM Press** 

Additional Information: full citation, abstract, references, index terms Full text available: T pdf(4.21 MB)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

5 The SIFT information dissemination system

Tak W. Yan, Hector Garcia-Molina

December 1999 ACM Transactions on Database Systems (TODS), Volume 24 Issue 4

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(220.77 KB) terms

Information dissemination is a powerful mechanism for finding information in wide-area environments. An information dissemination server accepts long-term user queries, collects new documents from information sources, matches the documents against the queries, and continuously updates the users with relevant information. This paper is a retrospective of the Stanford Information Filtering Service (SIFT), a system that as of April 1996 was processing over 40,000 worldwide subscriptions and ov ...

Keywords: Boolean queries, dissemination, filtering, indexing, vector space queries

6 Customized information extraction as a basis for resource discovery

Darren R. Hardy, Michael F. Schwartz

May 1996 ACM Transactions on Computer Systems (TOCS), Volume 14 Issue 2

Publisher: ACM Press

Additional Information: full citation, abstract, references, index terms, Full text available: Topdf(1.91 MB) review

Indexing file contents is a powerful means of helping users locate documents, software, and other types of data among large repositories. In environments that contain many different types of data, content indexing requires type-specific processing to extract information effectively. We present a model for type-specific, user-customizable information extraction, and a system implementation called Essence. This software structure allows users to associate specialized extracti ...

**Keywords**: Internet, distributed indexing, resource discovery

7 Text categorization using feature projections

Youngjoong Ko, Jungyun Seo

August 2002 Proceedings of the 19th international conference on Computational linguistics - Volume 1

Publisher: Association for Computational Linguistics

Full text available: R pdf(197.05 KB) Additional Information: full citation, abstract, references

This paper proposes a new approach for text categorization, based on a feature projection technique. In our approach, training data are represented as the projections of training documents on each feature. The voting for a classification is processed on the basis of individual feature projections. The final classification of test documents is determined by a majority voting from the individual classifications of each feature. Our empirical results show that the proposed approach, Text Categor ...

8 Efficient and effective metasearch for text databases incorporating linkages among



documents

Clement Yu, Weiyi Meng, Wensheng Wu, King-Lup Liu

May 2001 ACM SIGMOD Record, Proceedings of the 2001 ACM SIGMOD international conference on Management of data SIGMOD '01, Volume 30 Issue 2

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(245.22 KB) terms

Linkages among documents have a significant impact on the importance of documents, as it can be argued that important documents are pointed to by many documents or by other important documents. Metasearch engines can be used to facilitate ordinary users for retrieving information from multiple local sources (text databases). There is a search engine associated with each database. In a large-scale metasearch engine, the contents of each local database is represented by a representative. Each u ...

Keywords: distributed collection, information retrieval, linkages among documents, metasearch

9 Information finding in a digital library: the Stanford perspective



Tak W. Yan, Héctor García-Molina

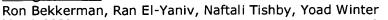
September 1995 ACM SIGMOD Record, Volume 24 Issue 3

Publisher: ACM Press

Full text available: 📆 pdf(926.13 KB) Additional Information: full citation, abstract, citings, index terms

In a digital library one of the most challenging problems is finding relevant information. Information finding is the research focus of the Stanford component of the ARPAsponsored CS-TR Project, and the work has continued as one of the main thrusts in the Stanford Integrated Digital Library project [14]. In this paper we discuss some of the emerging issues in information finding, such as text-database discovery, efficient information dissemination, and copy detection and removal. We also outlin ...

10 Special issue on special feature: Distributional word clusters vs. words for text categorization



March 2003 The Journal of Machine Learning Research, Volume 3

Publisher: MIT Press

Full text available: pdf(176.53 KB) Additional Information: full citation, abstract, index terms

We study an approach to text categorization that combines distributional clustering of words and a Support Vector Machine (SVM) classifier. This word-cluster representation is computed using the recently introduced Information Bottleneck method, which generates a compact and efficient representation of documents. When combined with the classification power of the SVM, this method yields high performance in text categorization. This novel combination of SVM with word-cluster representation ...

11 Scalable feature selection, classification and signature generation for organizing large text databases into hierarchical topic taxonomies



Soumen Chakrabarti, Byron Dom, Rakesh Agrawal, Prabhakar Raghavan August 1998 The VLDB Journal — The International Journal on Very Large Data

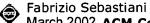
Bases, Volume 7 Issue 3

Publisher: Springer-Verlag New York, Inc.

Full text available: 📆 pdf(281.37 KB) Additional Information: full citation, abstract, citings, index terms

We explore how to organize large text databases hierarchically by topic to aid better searching, browsing and filtering. Many corpora, such as internet directories, digital libraries, and patent databases are manually organized into topic hierarchies, also called taxonomies. Similar to indices for relational data, taxonomies make search and access more efficient. However, the exponential growth in the volume of on-line textual information makes it nearly impossible to maintain such taxono ...

12 Machine learning in automated text categorization



March 2002 ACM Computing Surveys (CSUR), Volume 34 Issue 1

Publisher: ACM Press

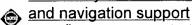
Additional Information: full citation, abstract, references, citings, index Full text available: pdf(524.41 KB) terms

The automated categorization (or classification) of texts into predefined categories has witnessed a booming interest in the last 10 years, due to the increased availability of documents in digital form and the ensuing need to organize them. In the research community the dominant approach to this problem is based on machine learning techniques: a general inductive process automatically builds a classifier by learning, from a set of preclassified documents, the characteristics of the categories. ...

**Keywords**: Machine learning, text categorization, text classification

13 Text analysis and extraction: Topic segmentation of message hierarchies for indexing





Jong Wook Kim, K. Selçuk Candan, Mehmet E. Dönderler

May 2005 Proceedings of the 14th international conference on World Wide Web

Publisher: ACM Press

Full text available: 🗖 pdf(333.81 KB) Additional Information: full citation, abstract, references, index terms

Message hierarchies in web discussion boards grow with new postings. Threads of messages evolve as new postings focus within or diverge from the original themes of the threads. Thus, just by investigating the subject headings or contents of earlier postings in a message thread, one may not be able to guess the contents of the later postings. The resulting navigation problem is further compounded for blind users who need the help of a screen reader program that can provide only a linear re ...

Keywords: assistive technology for blind users, discussion boards, navigational aid, segmentation

14 Text classification: Enhanced word clustering for hierarchical text classification

Inderjit S. Dhillon, Subramanyam Mallela, Rahul Kumar

July 2002 Proceedings of the eighth ACM SIGKDD international conference on Knowledge discovery and data mining

Publisher: ACM Press

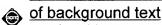
Full text available: pdf(993.07 KB) Additional Information: full citation, abstract, references, citings, index

#### terms

In this paper we propose a new information-theoretic divisive algorithm for word clustering applied to text classification. In previous work, such "distributional clustering" of features has been found to achieve improvements over feature selection in terms of classification accuracy, especially at lower number of features [2, 28]. However the existing clustering techniques are agglomerative in nature and result in (i) sub-optimal word clusters and (ii) high computational cost. In order to expli ...

15 Text Extraction and Summarization: Using LSI for text classification in the presence





Sarah Zelikovitz, Haym Hirsh

October 2001 Proceedings of the tenth international conference on Information and knowledge management

Publisher: ACM Press

Full text available: pdf(1.01 MB)

Additional Information: full citation, abstract, references, citings, index terms

This paper presents work that uses Latent Semantic Indexing (LSI) for text classification. However, in addition to relying on labeled training data, we improve classification accuracy by also using unlabeled data and other forms of available "background" text in the classification process. Rather than performing LSI's singular value decomposition (SVD) process solely on the training data, we instead use an expanded term-by-document matrix that includes both the labeled data as well as any availa ...

16 An information system based on distributed objects



Michael Caplinger

December 1987 ACM SIGPLAN Notices, Conference proceedings on Object-oriented programming systems, languages and applications OOPSLA '87, Volume 22 Issue 12

Publisher: ACM Press

Full text available: pdf(1.33 MB)

Additional Information: full citation, abstract, references, citings, index terms

The Telesophy system is intended to provide transparent access to all of a community's online information. The scale of the system requires that it be distributed across many machines via a network; the multiple types and formats of the information require that it be a multimedia system. We describe a prototype that uses objects to represent, query, display, and edit information. A two-level storage system is used to store the objects on multiple servers; queries are proces ...

17 QProber: A system for automatic classification of hidden-Web databases



Luis Gravano, Panagiotis G. Ipeirotis, Mehran Sahami

January 2003 ACM Transactions on Information Systems (TOIS), Volume 21 Issue 1

Publisher: ACM Press

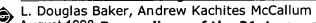
Full text available: pdf(3.62 MB)

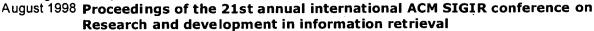
Additional Information: full citation, abstract, references, citings, index terms

The contents of many valuable Web-accessible databases are only available through search interfaces and are hence invisible to traditional Web "crawlers." Recently, commercial Web sites have started to manually organize Web-accessible databases into Yahoo!-like hierarchical classification schemes. Here we introduce QProber, a modular system that automates this classification process by using a small number of query probes, generated by document classifiers. QProber can use a variety of types of ...

Keywords: Database classification, Web databases, hidden Web

## 18 Distributional clustering of words for text classification





**Publisher: ACM Press** 

Full text available: pdf(1.07 MB)

Additional Information: full citation, references, citings, index terms

#### 19 OAI application: Extending SDARTS: extracting metadata from web databases and



interfacing with the open archives initiative Panagiotis G. Ipeirotis, Tom Barry, Luis Gravano

July 2002 Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries Publisher: ACM Press

Full text available: pdf(303.33 KB) Additional Information: full citation, abstract, references, index terms

SDARTS is a protocol and toolkit designed to facilitate metasearching. SDARTS combines two complementary existing protocols, SDLIP and STARTS, to define a uniform interface that collections should support for searching and exporting metasearch-related metadata. SDARTS also includes a toolkit with wrappers that are easily customized to make both local and remote document collections SDARTS-compliant. This paper describes two significant ways in which we have extended the SDARTS toolkit. First, we ...

Keywords: SDLIP, distributed searching, metadata, metasearching, web databases, wrapper construction

20 Research track paper: On the use of linear programming for unsupervised text





classification

Mark Sandler

August 2005 Proceeding of the eleventh ACM SIGKDD international conference on Knowledge discovery in data mining KDD '05

Publisher: ACM Press

Full text available: pdf(2.02 MB)

Additional Information: full citation, abstract, references, index terms

We propose a new algorithm for dimensionality reduction and unsupervised text classification. We use mixture models as underlying process of generating corpus and utilize a novel, L1-norm based approach introduced by Kleinberg and Sandler [19]. We show that our algorithm performs extremely well on large datasets, with peak accuracy approaching that of supervised learning based on Support Vector Machines (SVMs) with large training sets. The method is based on the same idea that underlies L ...

Keywords: L1 norm, LSI, dimensionality reduction, generative models, latent class models, linear programming, mixture models, singular value decomposition, text classification, unsupervised learning

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Relevance scale

1 Applying an information gathering architecture to Netfind: a white pages tool for a

changing and growing Internet Michael F. Schwartz, Calton Pu

October 1994 IEEE/ACM Transactions on Networking (TON), Volume 2 Issue 5

Publisher: IEEE Press

Full text available: pdf(1.71 MB)

Additional Information: full citation, references, citings, index terms, <u>review</u>

2 GIOSS: text-source discovery over the Internet

Luis Gravano, Héctor García-Molina, Anthony Tomasic

June 1999 ACM Transactions on Database Systems (TODS), Volume 24 Issue 2

Publisher: ACM Press

Full text available: pdf(230.37 KB)

Additional Information: full citation, abstract, references, citings, index terms, review

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Keywords: Internet search and retrieval, digital libraries, distributed information retrieval, text databases

Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available: pdf(4.21 MB) Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the

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There's gold in them thar networks! or searching for treasure in all the wrong places



Jerry Martin

November 1993 Proceedings of the 21st annual ACM SIGUCCS conference on User services

Publisher: ACM Press

Full text available: pdf(1.60 MB) Additional Information: full citation, index terms

5 Applications: Fast retrieval of high-dimensional feature vectors in P2P networks using





compact peer data summaries

Wolfgang Müller, Andreas Henrich November 2003 Proceedings of the 5th ACM SIGMM international workshop on

Multimedia information retrieval

**Publisher: ACM Press** 

Full text available: pdf(378.07 KB) Additional Information: full citation, abstract, references, index terms

The retrieval facilities of most Peer-to-Peer (P2P) systems are limited to queries based on a unique identifier or a small set of keywords. The techniques used for this purpose are hardly applicable for content-based image retrieval (CBIR) in a P2P network. Furthermore, we will argue that the curse of dimensionality and the high communication overhead prevent the adaptation of multidimensional search trees or fast sequential scan techniques for P2P CBIR. In the present paper we will propose two ...

<sup>6</sup> Building task-specific interfaces to high volume conversational data



Loren G. Terveen, William C. Hill, Brian Amento, David McDonald, Josh Creter March 1997 Proceedings of the SIGCHI conference on Human factors in computing systems

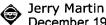
Publisher: ACM Press

Full text available: pdf(908.00 KB) Additional Information: full citation, references, citings, index terms

Keywords: Netnews, Usenet, World Wide Web, collaborative filtering, computersupported cooperative work, data mining, human interface, human-computer interaction, organizatinal computing, resource discovery, social filtering

There's gold in them that networks!: or searching for treasure in all the wrong places





December 1992 Proceedings of the 20th annual ACM SIGUCCS conference on User services

Publisher: ACM Press

Full text available: pdf(1.50 MB) Additional Information: full citation, index terms

8 Frontmatter (TOC, Letters, Election results, Software Reliability Resources!,



Computing Curricula 2004 and the Software Engineering Volume SE2004, Software Reuse Research, ICSE 2005 Forward)

July 2005 ACM SIGSOFT Software Engineering Notes, Volume 30 Issue 4

Publisher: ACM Press

Full text available: pdf(6.19 MB) Additional Information: full citation

BIBDB: a bibliographic database for collaboration

David J. Musliner, James W. Dolter, Kang G. Shin

December 1992 Proceedings of the 1992 ACM conference on Computer-supported cooperative work

Publisher: ACM Press

Full text available: pdf(935.84 KB) Additional Information: full citation, references, index terms

Keywords: bibliographic databases, collaborative writing, distributed & replicated databases, incremental indexing, partial locking, relaxed consistency

Level II technical support in a distributed computing environment

Tim Leehane

September 1996 Proceedings of the 24th annual ACM SIGUCCS conference on User services

Publisher: ACM Press

Full text available: pdf(5.73 MB) Additional Information: <u>full citation</u>, <u>references</u>, <u>index terms</u>

Improving problem-oriented mailing list archives with MCS

Robert S. Brewer

June 2000 Proceedings of the 22nd international conference on Software enaineerina

Publisher: ACM Press

Full text available: R pdf(120.93 KB) Additional Information: full citation, abstract, references, index terms

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Keywords: archives, collective memory, knowledge condensation, mailing lists

12 Scalable feature selection, classification and signature generation for organizing large text databases into hierarchical topic taxonomies

Soumen Chakrabarti, Byron Dom, Rakesh Agrawal, Prabhakar Raghavan August 1998 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 7 Issue 3

Publisher: Springer-Verlag New York, Inc.

Full text available: R pdf(281.37 KB) Additional Information: full citation, abstract, citings, index terms

We explore how to organize large text databases hierarchically by topic to aid better searching, browsing and filtering. Many corpora, such as internet directories, digital libraries, and patent databases are manually organized into topic hierarchies, also called taxonomies. Similar to indices for relational data, taxonomies make search and access more efficient. However, the exponential growth in the volume of on-line textual

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13 OAI application: Extending SDARTS: extracting metadata from web databases and



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Panagiotis G. Ipeirotis, Tom Barry, Luis Gravano

July 2002 Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries Publisher: ACM Press

Full text available: pdf(303.33 KB) Additional Information: full citation, abstract, references, index terms

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Keywords: SDLIP, distributed searching, metadata, metasearching, web databases, wrapper construction

14 Dynamic Access Control: An access control model for dynamic client-side content



Adam Hess, Kent E. Seamons

June 2003 Proceedings of the eighth ACM symposium on Access control models and technologies

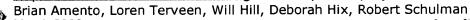
Publisher: ACM Press

Full text available: pdf(608.50 KB) Additional Information: full citation, abstract, references, index terms

The focus of access control in client/server environments is on protecting sensitive server resources by determining whether or not a client is authorized to access those resources. The set of resources are usually static, and an access control policy associated with each resource specifies who is authorized to access the resource. In this paper, we turn the traditional client/server access control model on its head, and address how to protect the sensitive content that clients disclose to serve ...

Keywords: access control, authentication, credentials, trust negotiation

15 Experiments in social data mining: The TopicShop system



March 2003 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 10 Issue

Publisher: ACM Press

Full text available: pdf(377.92 KB)

Additional Information: full citation, abstract, references, citings, index terms

Social data mining systems enable people to share opinions and benefit from each other's experience. They do this by mining and redistributing information from computational records of social activity such as Usenet messages, system usage history, citations, or hyperlinks. Some general questions for evaluating such systems are: (1) is the extracted information valuable? and (2) do interfaces based on the information improve user task performance? We report here on TopicShop, a syst ...

Keywords: Cocitation analysis, collaborative filtering, computer-supported cooperative work, information visualization, social filtering, social network analysis

Pen computing: a technology overview and a vision





André Meyer

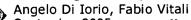
July 1995 ACM SIGCHI Bulletin, Volume 27 Issue 3

Publisher: ACM Press

Full text available: pdf(5.14 MB) Additional Information: full citation, abstract, citings, index terms

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions. Starting with a short historic ...

17 Authoring for comprehension: From the writable web to global editability



September 2005 Proceedings of the sixteenth ACM conference on Hypertext and hypermedia HYPERTEXT '05

**Publisher: ACM Press** 

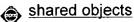
Full text available: pdf(695.53 KB) Additional Information: full citation, abstract, references, index terms

The technical and competence requirements for writing content on the web is still one of the major factors that widens the gap between authors and readers. Although tools that support an easy approach to web writing, such as blogs and wikis, are becoming increasingly important and mainstream, they still lack in terms of layout and typographical sophistication, and, most importantly, only allow local editing (on the pages that are stored by the application itself). In this paper we re-propose an ...

Keywords: collaboration, customization, data collection, global editability, web authoring

18 System technology: Supporting activity-centric collaboration through peer-to-peer





Werner Geyer, Jürgen Vogel, Li-Te Cheng, Michael Muller

November 2003 Proceedings of the 2003 international ACM SIGGROUP conference on Supporting group work

Publisher: ACM Press

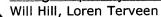
Full text available: pdf(366.92 KB)

Additional Information: full citation, abstract, references, citings, index

We describe a new collaborative technology that is mid-way between the informality of email and the formality of shared workspaces. Email and other ad hoc collaboration systems are typically lightweight and flexible, but build up an unmanageable clutter of copied objects. At the other extreme, shared workspaces provide formal, structured collaboration, but are too heavyweight for users to set up. To bridge this gap between the ad hoc and formal, this paper introduces the notion of "object-centri ...

Keywords: activity-centric collaboration, emerging collaboration, object-centric sharing, peer-to-peer, replication, synchronization

19 Using frequency-of-mention in public conversations for social filtering



November 1996 Proceedings of the 1996 ACM conference on Computer supported cooperative work

Publisher: ACM Press

Full text available: pdf(818.10 KB) Additional Information: full citation, references, citings, index terms



Keywords: Usenet, World Wide Web, browsing, collaborative filtering, computersupported cooperative work, human interface, human-computer interaction, netnews, organizational computing, resource discovery, social filtering

<sup>20</sup> UI and Applications: Clustering for opportunistic communication



Jay Budzik, Shannon Bradshaw, Xiaobin Fu, Kristian J. Hammond

May 2002 Proceedings of the 11th international conference on World Wide Web Publisher: ACM Press

Full text available: pdf(1.01 MB)

Additional Information: full citation, abstract, references, citings, index terms

We describe ongoing work on I2I, a system aimed at fostering opportunistic communication among users viewing or manipulating content on the Web and in productivity applications. Unlike previous work in which the URLs of Web resources are used to group users visiting the same resource, we present a more general framework for clustering work contexts to group users together that accounts for dynamic content and distributional properties of Web accesses which can limit the utility URL based systems ...

Keywords: agents, awareness, clustering, collaboration, context, critical mass, opportunistic communication

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Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available: pdf(4.21 MB)

Additional Information: full citation, abstract, references, index terms

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interfacing with the open archives initiative

Panagiotis G. Ipeirotis, Tom Barry, Luis Gravano

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Full text available: pdf(303.33 KB) Additional Information: full citation, abstract, references, index terms

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Keywords: SDLIP, distributed searching, metadata, metasearching, web databases,

Additional Information: full citation, references, citings, index terms, Full text available: pdf(1.71 MB) review

Improving problem-oriented mailing list archives with MCS

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June 2000 Proceedings of the 22nd international conference on Software engineering

Publisher: ACM Press

Full text available: 🔁 pdf(120.93 KB) Additional Information: full citation, abstract, references, index terms

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Publisher: Springer-Verlag New York, Inc.

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There's gold in them thar networks! or searching for treasure in all the wrong places

Jerry Martin

November 1993 Proceedings of the 21st annual ACM SIGUCCS conference on User services

Publisher: ACM Press

Additional Information: full citation, index terms Full text available: pdf(1.60 MB)

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Jerry Martin

December 1992 Proceedings of the 20th annual ACM SIGUCCS conference on User services

Publisher: ACM Press

Additional Information: full citation, index terms Full text available: pdf(1.50 MB)

Distributed data sources: Efficient query routing in distributed spatial databases Roger Zimmermann, Wei-Shinn Ku, Wei-Cheng Chu



#### November 2004 Proceedings of the 12th annual ACM international workshop on **Geographic information systems**

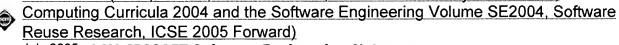
Publisher: ACM Press

Full text available: pdf(286.06 KB) Additional Information: full citation, abstract, references, index terms

Spatial databases are prominently used in Geographic Information System (GIS) applications. However, many of the current architectures rely on a centralized data repository. The next evolution will be GIS applications that utilize and integrate a multitude of remotely accessible data sets, for example via Web services. Our involvement in a project where geotechnical borehole information is retrieved from a large number of repositories that are under different administrative control has motiva ...

**Keywords**: database middleware, distributed spatial databases, query routing

9 Frontmatter (TOC, Letters, Election results, Software Reliability Resources!

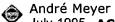


July 2005 ACM SIGSOFT Software Engineering Notes, Volume 30 Issue 4

Publisher: ACM Press

Full text available: pdf(6.19 MB) Additional Information: full citation

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July 1995 ACM SIGCHI Bulletin, Volume 27 Issue 3

Publisher: ACM Press

Full text available: pdf(5.14 MB) Additional Information: full citation, abstract, citings, index terms

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11 Experiments in social data mining: The TopicShop system

Brian Amento, Loren Terveen, Will Hill, Deborah Hix, Robert Schulman

March 2003 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 10 Issue

Publisher: ACM Press

Full text available: pdf(377.92 KB)

Additional Information: full citation, abstract, references, citings, index terms ·

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Will Hill, Loren Terveen

November 1996 Proceedings of the 1996 ACM conference on Computer supported cooperative work

Publisher: ACM Press

Full text available: pdf(818.10 KB) Additional Information: full citation, references, citings, index terms

Keywords: Usenet, World Wide Web, browsing, collaborative filtering, computersupported cooperative work, human interface, human-computer interaction, netnews, organizational computing, resource discovery, social filtering

13 GIOSS: text-source discovery over the Internet



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June 1999 ACM Transactions on Database Systems (TODS), Volume 24 Issue 2

**Publisher: ACM Press** 

Full text available: pdf(230.37 KB)

Additional Information: full citation, abstract, references, citings, index terms, review

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Keywords: Internet search and retrieval, digital libraries, distributed information retrieval, text databases

14 Users and interaction track: interacting in media: Addressing the challenge of visual



information access from digital image and video libraries

Michael G. Christel, Ronald M. Conescu

June 2005 Proceedings of the 5th ACM/IEEE-CS joint conference on Digital libraries

Publisher: ACM Press

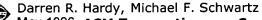
Full text available: pdf(1.51 MB)

Additional Information: full citation, abstract, references, index terms

While it would seem that digital video libraries should benefit from access mechanisms directed to their visual contents, years of TREC Video Retrieval Evaluation (TRECVID) research have shown that text search against transcript narrative text provides almost all the retrieval capability, even with visually oriented generic topics. A within-subjects study involving 24 novice participants on TRECVID 2004 tasks again confirms this result. The study shows that satisfaction is greater and performanc ...

**Keywords**: TRECVID results analysis, video retrieval

15 Customized information extraction as a basis for resource discovery



May 1996 ACM Transactions on Computer Systems (TOCS), Volume 14 Issue 2

Publisher: ACM Press

Full text available: pdf(1.91 MB)

Additional Information: full citation, abstract, references, index terms, <u>revie</u>w

Indexing file contents is a powerful means of helping users locate documents, software, and other types of data among large repositories. In environments that contain many

different types of data, content indexing requires type-specific processing to extract information effectively. We present a model for type-specific, user-customizable information extraction, and a system implementation called Essence. This software structure allows users to associate specialized extracti ...

Keywords: Internet, distributed indexing, resource discovery

16 P1: "Yes, but does it scale?": practical considerations for database-driven information





systems

John Russell

October 2001 Proceedings of the 19th annual international conference on Computer documentation

Publisher: ACM Press

Full text available: pdf(231.31 KB)

Additional Information: full citation, abstract, references, citings, index terms

This paper explores the process of designing and implementing a database-driven system of online documentation, and putting it live on the web for customers to use. Using reallife examples, it discusses practical considerations for balancing performance, scalability, and reliability.

Keywords: Oracle, automation, categorization, database, performance, reliability, scalability, web services

17 Distributed indexing: a scalable mechanism for distributed information retrieval



Peter B. Danzig, Jongsuk Ahn, John Noll, Katia Obraczka

September 1991 Proceedings of the 14th annual international ACM SIGIR conference on Research and development in information retrieval

Publisher: ACM Press

Full text available: 🔁 pdf(929.40 KB) Additional Information: full citation, references, citings, index terms

18 XRel: a path-based approach to storage and retrieval of XML documents using



relational databases

August 2001 ACM Transactions on Internet Technology (TOIT), Volume 1 Issue 1

Publisher: ACM Press

Full text available: pdf(264.27 KB)

Additional Information: full citation, abstract, references, citings, index terms, review

This article describes XRel, a novel approach for storage and retrieval of XML documents using relational databases. In this approach, an XML document is decomposed into nodes on the basis of its tree structure and stored in relational tables according to the node type, with path information from the root to each node. XRel enables us to store XML documents using a fixed relational schema without any information about DTDs and also to utilize indices such as the B+

Keywords: XML query, XPath, text markup, text tagging

19 Information retrieval on the web



Mei Kobayashi, Koichi Takeda

June 2000 ACM Computing Surveys (CSUR), Volume 32 Issue 2

Publisher: ACM Press

Full text available: 🔁 pdf(213.89 KB) Additional Information: full citation, abstract, references, citings, index

In this paper we review studies of the growth of the Internet and technologies that are useful for information search and retrieval on the Web. We present data on the Internet from several different sources, e.g., current as well as projected number of users, hosts, and Web sites. Although numerical figures vary, overall trends cited by the sources are consistent and point to exponential growth in the past and in the coming decade. Hence it is not surprising that about 85% of Internet user ...

Keywords: Internet, World Wide Web, clustering, indexing, information retrieval, knowledge management, search engine

20 Industrial sessions: beyond relational tables: Coordinating backup/recovery and data



consistency between database and file systems

Suparna Bhattacharya, C. Mohan, Karen W. Brannon, Inderpal Narang, Hui-I Hsiao, Mahadevan Subramanian

June 2002 Proceedings of the 2002 ACM SIGMOD international conference on Management of data

Publisher: ACM Press

Full text available: pdf(1.44 MB) Additional Information: full citation, abstract, references, index terms

Managing a combined store consisting of database data and file data in a robust and consistent manner is a challenge for database systems and content management systems. In such a hybrid system, images, videos, engineering drawings, etc. are stored as files on a file server while meta-data referencing/indexing such files is created and stored in a relational database to take advantage of efficient search. In this paper we describe solutions for two potentially problematic aspects of such a data ...

Keywords: DB2, content management, database backup, database recovery, datalinks

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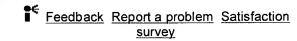
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Information system technology can improve customer service

Gerard P Learmonth

December 1986 ACM SIGMIS Database, Volume 18 Issue 2

Publisher: ACM Press

Full text available: 📆 pdf(502.36 KB) Additional Information: full citation, abstract, index terms

Creative deployment of information system technologies can lead to new ways to differentiate products and services through customer service, while simultaneously strengthening customer ties.

Selling in the era of the "Net": integration of electronic commerce in small firms William J. Kettinger, Gary Hackbarth



Publisher: Association for Information Systems

Additional Information: full citation, references, citings Full text available: pdf(70.91 KB)

End-user application development: practices, policies, and organizational impacts



Mary Sumner, Robert Klepper

October 1986 Proceedings of the twenty-second annual computer personnel research conference on Computer personnel research conference

Publisher: ACM Press

Full text available: pdf(1.29 MB)

Additional Information: full citation, abstract, references

In their study of user managers' systems needs, Alloway and Quillard surveyed 529 managers to determine whether current systems supported their information needs. Managers reported that only 44 percent of the installed base of applications systems, most of which were transactions processing systems, were useful. Inquiry systems, which enabled managers to query data bases and to generate reports, and data analysis systems, which provided opportunities for modeling, simulation, and statistica ...

Intelligent Web services moving toward a framework to compose

Willem-Jan Van Den Heuvel, Zakaria Maamar

October 2003 Communications of the ACM, Volume 46 Issue 10

Publisher: ACM Press

Full text available: pdf(133.06 KB)

html(33.44 KB) Additional Information: full citation, abstract, references, index terms

Intelligent Web services show promise as a means of supporting cross-organizational business transactions.

5 Mobile services and technology track: Like Rome, a mobile operator's empire wasn't



built in a day!: a journey through the rise and fall of mobile network operators Jan Damsgaard, Lucia Marchegiani

March 2004 Proceedings of the 6th international conference on Electronic commerce **ICEC '04** 

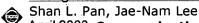
Publisher: ACM Press

Full text available: pdf(256.89 KB) Additional Information: full citation, abstract, references

This research provides insights on the key strategic management issues, which lay the basis of a network operator overall competitive strategy. This is done assuming the perspective of a mobile network operator. Through example stemming mainly from the Danish and Italian mobile markets, our paper proposes a model for the management of mobile services, which resembles a lifecycle model. As the Mobile Management Model resembles the rise and fall of network operators, the reader is accompanied on a ...

Keywords: mobile services diffusion, mobile telecommunication industry, strategic management

6 Using e-CRM for a unified view of the customer.



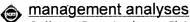
April 2003 Communications of the ACM, Volume 46 Issue 4

Publisher: ACM Press

Full text available: pdf(92.62 KB) Additional Information: full citation, abstract, references, citings, index html(26.30 KB) terms

Applying detailed knowledge of the customer to a larger business domain.

Business intelligence: Data warehouse design to support customer relationship



Colleen Cunningham, Il-Yeol Song, Peter P. Chen

November 2004 Proceedings of the 7th ACM international workshop on Data warehousing and OLAP

Publisher: ACM Press

Full text available: Top pdf(273.78 KB) Additional Information: full citation, abstract, references, index terms

CRM is a strategy that integrates the concepts of Knowledge Management, Data Mining, and Data Warehousing in order to support the organization's decision-making process to retain long-term and profitable relationships with its customers. In this paper, we first present the design implications that CRM poses to data warehousing, and then propose a robust multidimensional starter model that supports CRM analyses. We then present sample CRM gueries, test our starter model using those gueries and ...

Keywords: customer relationship management, data warehouse

8 Developing trust in internet commerce

Ildemaro Araujo, Iván Araujo

October 2003 Proceedings of the 2003 conference of the Centre for Advanced Studies on Collaborative research

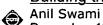
**Publisher: IBM Press** 



Full text available: pdf(140.49 KB) Additional Information: full citation, abstract, references, citings, index terms

Since the success of Web-based businesses depends essentially on their customers, consumers' trust is critical for Internet commerce. This article outlines essential issues that may affect customers' trust on Web sites or vendors. It also discusses key elements that can be used to improve the visitors' sense of trustworthiness on Web sites.

#### 9 Building the business using process simulation



December 1995 Proceedings of the 27th conference on Winter simulation

**Publisher: ACM Press** 

Full text available: pdf(619.64 KB) Additional Information: full citation, references, citings, index terms

#### 10 Unchained value: the new logic of digital business

Mary J. Cronin

February 2001 Ubiquity, Volume 1 Issue 46

Publisher: ACM Press

Full text available: html(56.83 KB) Additional Information: full citation, index terms

#### 11 A Generalized Queueing Discipline for Product Form Network Solutions

Andrew S. Noetzel

October 1979 Journal of the ACM (JACM), Volume 26 Issue 4

Publisher: ACM Press

Full text available: pdf(886.61 KB) Additional Information: full citation, references, citings, index terms

## 12 E-commerce and the undulating distribution channel

John M. Gallaugher

July 2002 Communications of the ACM, Volume 45 Issue 7

Publisher: ACM Press

Full text available: pdf(216.38 KB) Additional Information: full citation, abstract, references, citings, index terms

Understanding the role of e-commerce in restructuring distribution channels by examining the factors influencing the collapse, shift, and expansion of channels.

# 13 Integrated Internet marketing

Richard T. Watson, George M. Zinkhan, Leyland F. Pitt June 2000 Communications of the ACM, Volume 43 Issue 6

Publisher: ACM Press

Full text available: pdf(96.08 KB)

html(28.18 KB)

Additional Information: full citation, references, citings, index terms

#### 14 The Soviet Bloc's Unified System of Computers

N. C. Davis, S. E. Goodman

June 1978 ACM Computing Surveys (CSUR), Volume 10 Issue 2

Publisher: ACM Press

Additional Information: full citation, references, citings, index terms Full text available: pdf(2.76 MB)

#### 15 Design: Conceptual models: begin by designing what to design

Jeff Johnson, Austin Henderson

January 2002 interactions, Volume 9 Issue 1

**Publisher: ACM Press** 

Full text available: pdf(232.78 KB) html(36.43 KB)

Additional Information: full citation, abstract, references, index terms

Suppose you are designing a software product, electronic appliance, or Web service. You've gathered functional requirements from Marketing and from prospective customers and users. You've done a task-analysis and created user profiles. What's your next step?

#### 16 Internet: a strategic tool for the software enterprise

Brian A. Nejmeh

November 1994 Communications of the ACM, Volume 37 Issue 11

**Publisher: ACM Press** 

Full text available: pdf(3.70 MB) Additional Information: full citation, citings, index terms

#### 17 Information systems strategy and end-user application development

Mary Sumner, Robert Klepper

July 1987 ACM SIGMIS Database, Volume 18 Issue 4

Publisher: ACM Press

Full text available: pdf(1.05 MB) Additional Information: full citation, abstract, references

End-user computing in organizations with different information systems strategies was studied to determine the nature and characteristics of user-developed applications, systems development practices, quality assurance methods, and policies and procedures for end-user development. The findings showed that the information systems strategies of the firms studied did not markedly affect end-user computing activities. In most of these firms, strategic end-user systems were being designed by function ...

# 18 Issues in license agreements for numerical program libraries

W. S. Brown, K. W. Fong, B. Ford

April 1983 ACM SIGNUM Newsletter, Volume 18 Issue 2

Publisher: ACM Press

Full text available: pdf(296.84 KB) Additional Information: full citation, abstract

During the past decade, several organizations have developed high quality libraries of mathematical subroutines that are either portable or well supported on a variety of important computers. Although some progress has been made in persuading practitioners to use these libraries, it has become apparent that the licensing contracts and negotiations are a serious barrier to their acceptance. It is essential to have a contract to define the product and service being offered and the relationship bet ...

#### 19 Industry track: Circumstance-based categorization analysis of knowledge

management systems for the japanese market

Makoto Sano, David A. Evans

November 2004 Proceedings of the thirteenth ACM conference on Information and knowledge management

**Publisher: ACM Press** 

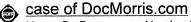
Full text available: pdf(118.93 KB) Additional Information: full citation, abstract, references, index terms

We conducted a survey of thirty of the approximately 1,700 customers of Justsystem Corporation's knowledge-management applications. Our goal was to discover the kinds of functions that customers hoped to address in their next-generation use of knowledge management technology and to assess the core processes that we will need to deploy in our products to address their desired solutions. In particular, we sought to analyze our customers' requirements along dimensions that take account of both t ...

Keywords: SECI model, affect analysis, decision support, information retrieval, knowledge management, knowledge management technology, natural language processing, ontology

20 Innovation, management & strategy: Shaping new health services landscapes: the





Hans P. Borgman, Hauke Heier, Andreas Kemper

March 2004 Proceedings of the 6th international conference on Electronic commerce **ICEC '04** 

Publisher: ACM Press

Full text available: pdf(162.74 KB) Additional Information: full citation, abstract, references, index terms

The recent literature investigating the European health care market's efficiency has repeatedly pointed at chronic underperformance and wastefulness. Our analysis goes beyond this critic and investigates the opportunities and limitations of e-Pharmacies as an innovative, technology-based approach to the development of new services landscapes in order to restructure the German health care market. The new prospects are analyzed based on a case study of DocMorris.com. Results of the analysis indica ...

Keywords: customer privacy, customer satisfaction, data security, distribution channels, e-Commerce, health care, online pharmacies

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